

ABSTRACT OF THE DISCLOSURE

A voltage generator arrangement supplies a largely constant output voltage with a high current driver capability. A bandgap reference circuit is downstream from an impedance converter and downstream a voltage generator. The bandgap reference circuit and the impedance converter on the one hand and the voltage generator on the other hand are connected to different reference ground potential line. The impedance converter contains a charge pump circuit to provide increased control potential, which drives the voltage generator. The voltage generator in contrast produces a reduced output potential. The influence of any voltage drop on that reference ground potential line to which the voltage generator is connected in the output potential is thus likewise reduced.